

Abstract of the Disclosure

A method of switching packets includes preparing a plurality of tables wherein each table corresponds to at least one output port of a plurality of output ports, storing a plurality of input port designations in each table, wherein
5 each input port designation corresponds to at least one input port of a plurality of input ports, storing a plurality of packet identifiers in each table, wherein each packet identifier is stored together with an input port designation
10 of the plurality of input port designations, inputting at least one packet into an input port of the plurality of input ports, wherein the at least one packet includes a packet identifier, locating a packet identifier from the plurality of packet identifiers stored in each table that matches the
15 packet identifier of the at least one packet, and connecting an input port corresponding to an input port designation stored with the located packet identifier, with one or more output ports of the plurality of output ports.